



US Army Corps
of Engineers
Portland District

PUBLIC NOTICE

for PERMIT APPLICATION

Issue Date: June 4, 2003

Expiration Date: July 7, 2003

Corps of Engineers Action ID: 199700862

30 Day Notice

Oregon Division of State Lands Number: SP-14240

Interested parties are hereby notified that an application has been received for a Department of the Army permit for certain work in waters of the United States, as described below and shown on the attached plan.

Comments: Comments on the described work should reference the U.S. Army Corps of Engineers number shown above and should reach this office no later than the above expiration date of this Public Notice to become part of the record and be considered in the decision. Comments should be mailed to the following address:

U.S. Army Corps of Engineers
ATTN: CENWP-OP-GP (Mr. John W. Barco)
P.O. Box 2946
Portland, Oregon 97208-2946

Applicant: Mr. Gregory J. Drechsler
Clackamas River Water District
P.O. Box 2439
Clackamas County, Oregon 97015

Location: The project is located on the west bank of the Clackamas River, River Mile 3.3, in Section 16, Township 2 South, Range 2 East, Clackamas County, Oregon.

Project Description: The proposed project is to install a new screening system at the existing intake structure to meet Endangered Species Act standards and to install a new intake system and associated infrastructure, approximately 100 feet downstream, to increase the intake capacity at the Clackamas River Water drinking water treatment facility. The project would involve the temporary placement of approximately 500 cubic yards (approximately 0.09 acre) of washed rock below the ordinary high water (OHW) line to form a temporary work area for heavy equipment. The project would also include the excavation and backfill of approximately 0.32 acre of waters of the United States, below the OHW line, in order to install the new intake pipeline. The new intake pipeline installation would involve the placement of concrete pillows, washed rock, and native materials over the pipeline to ensure structural integrity. A silt curtain would be used to isolate the turbidity plume within the work area. The installation (i.e. excavation and backfill) of the new pipeline would also impact approximately 0.04 acre of wetlands adjacent to the Clackamas River. The proposed project would also involve work above the OHW line, such as

the creation of two new settling ponds, which would not require a Department of Army permit. Total impacts to waters of the United States would be approximately 0.45 acre.

Purpose: Install new a new screen system that meets Endangered Species Act standards on existing intake structures and build a new intake structure to increase the total withdraw capacity.

Drawings: 10 drawings labeled Corps No. 199700862.

Additional Information: Additional information may be obtained from Mr. John W. Barco, Project Manager, U.S. Army Corps of Engineers at (503) 808-4385.

Authority: This permit will be issued or denied under the following:

Section 404, Clean Water Act (33 U.S.C. 1344), for discharge of dredged or fill material into waters of the United States.

Special Conditions: The requested permit, if issued, may be subject to project-specific special conditions.

Water Quality Certification: A permit for the described work will not be issued until certification, as required under Section 401 of the Clean Water Act (P.L. 95-217), has been received or is waived from the certifying state. Attached is the state's notice advertising the request for certification.

Section 404(b)(1) Evaluation: The impact of the activity on the public interest will be evaluated in accordance with the Environmental Protection Agency guidelines pursuant to Section 404(b)(1) of the Clean Water Act.

Public Hearing: Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing.

Endangered Species: Preliminary determinations indicate that the proposed activity may affect an endangered or threatened species or its critical habitat. Consultation under Section 7 of the Endangered Species Act of 1973 (87 Stat. 844) will be initiated. A permit for the proposed activity will not be issued until the consultation process is completed.

Cultural Resources: The described activity is not located on property registered or eligible for registration in the latest published version of the National Register of Historic Places. This notice has been provided to the State Historic Preservation Office.

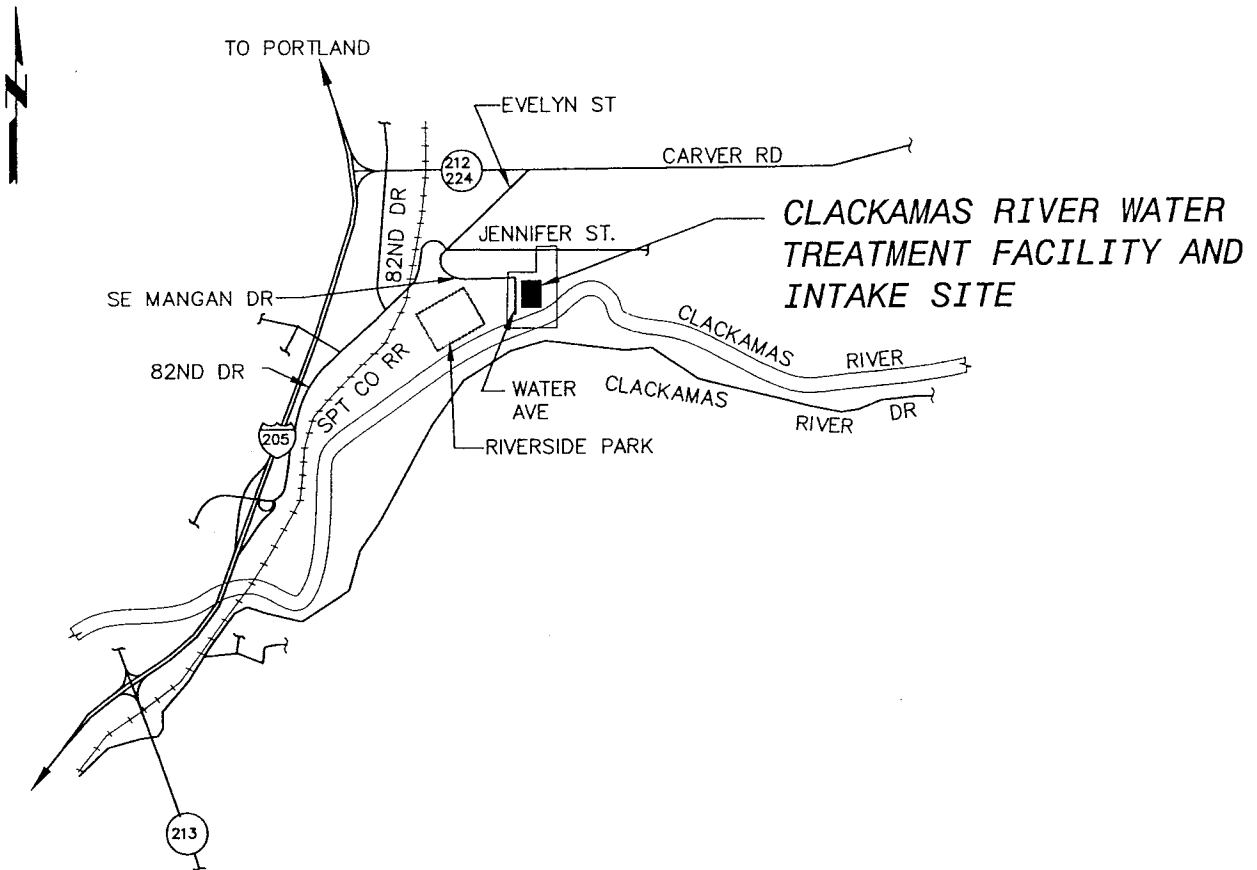
Evaluation: The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the described activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit, which reasonably may be expected to accrue from the described activity, must be balanced against its reasonably foreseeable detriments. All factors, which may be

relevant to the described activity will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands,

historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, consideration of property ownership and, in general, the needs and welfare of the people.

The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Additional Requirements: State law requires that leases, easements, or permits be obtained for certain works or activity in the described waters. These State requirements must be met, where applicable, and a Department of the Army permit must be obtained before any work within the applicable Statutory Authority, previously indicated, may be accomplished. Other local governmental agencies may also have ordinances or requirements, which must be satisfied before the work is accomplished.



Corps No. 199700862

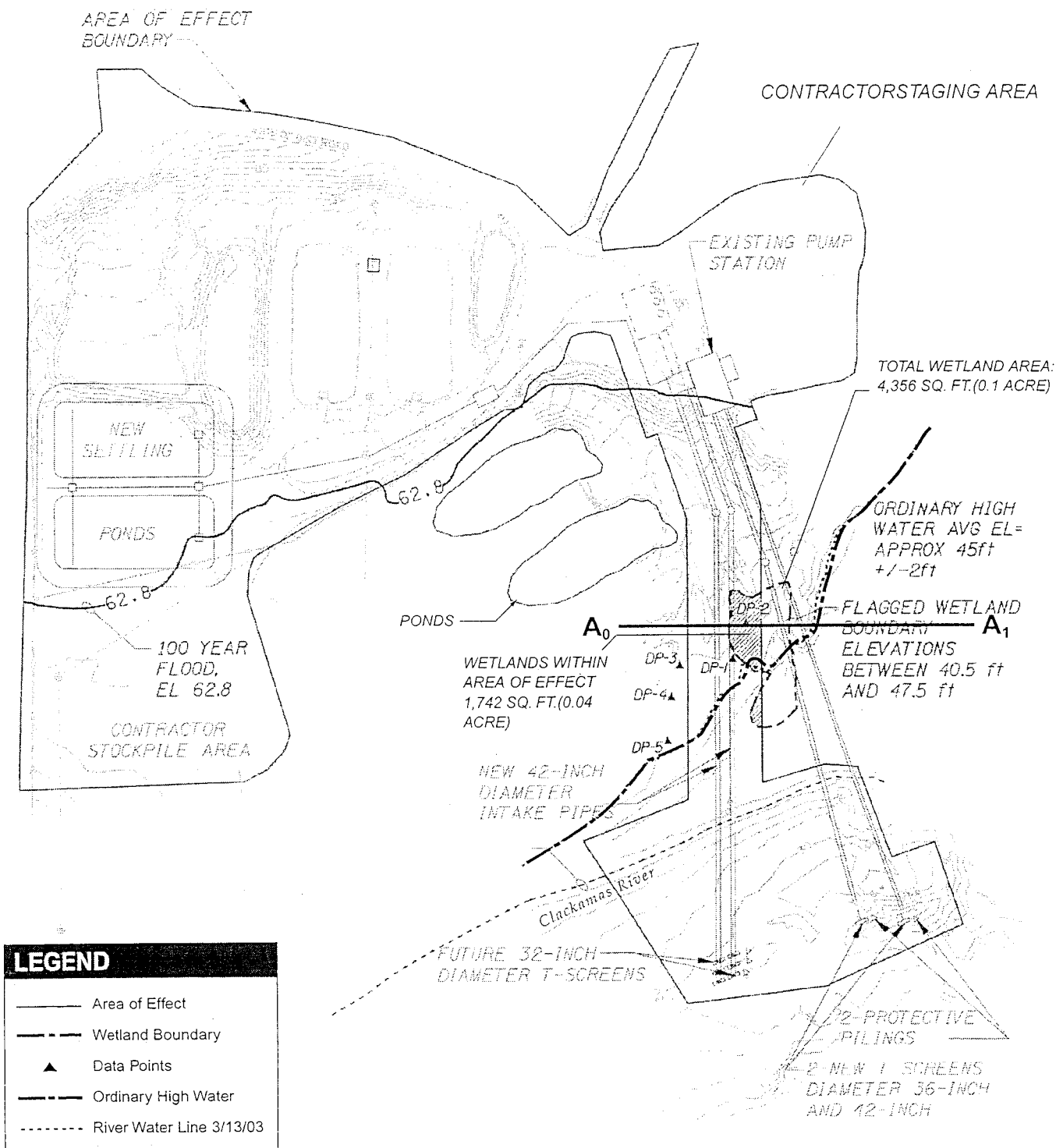


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PORTLAND, OR.

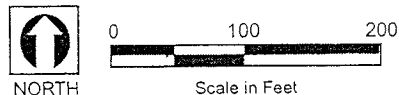
PROJECT
131808

NOT TO SCALE

CRW - NEW RIVER INTAKE PROJECT
LOCATION MAP



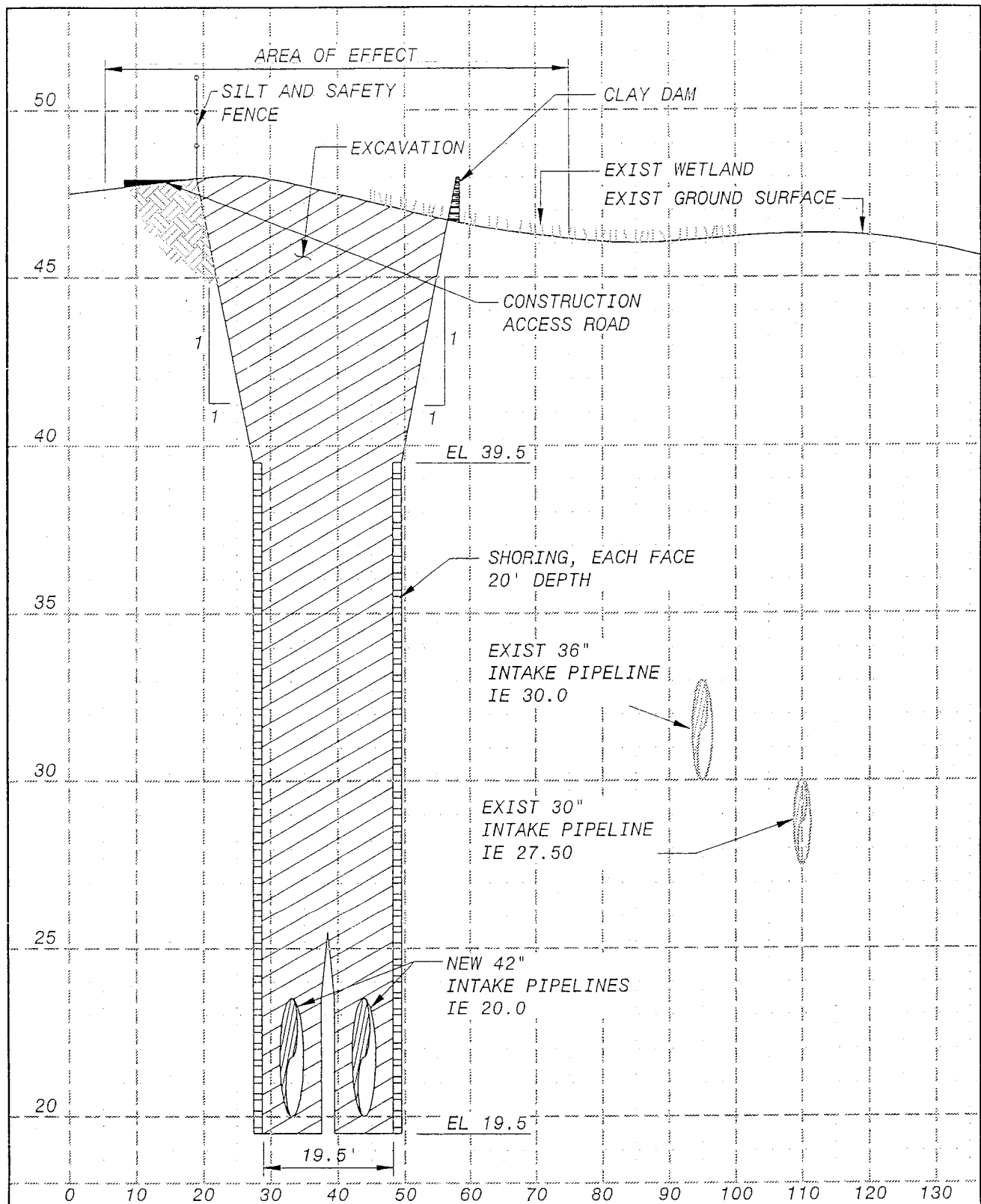
Map Accuracy: $\pm 1M$
Survey Method: Trimble GeoExplorer CE GPS



Corps No. 199700862

Jurisdictional Waters/Wetlands Boundaries

WETLAND DELINEATION



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PORTLAND, OR.

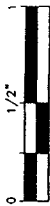
PROJECT
131808

VERT SCALE: 1" = 4'
HORIZ SCALE: 1" = 20'

CRW - NEW RIVER INTAKE PROJECT
WETLAND DELINIATION
SECTION VIEW
OF PIPELINE EXCAVATION

A0 - A1

WARNING



IF THIS BAR DOES
NOT MEASURE 1 1/2"
THEN DRAWING IS
NOT TO SCALE

EXISTING GROUND/
RIVERBED SURFACE

EXCAVATOR WITH
MINIMUM 50-FOOT REACH

APPROXIMATE WSL = 37.0,
SEE NOTE 1

TEMPORARY
ROCK PAD

(3) 3-INCH STAINLESS
STEEL AIRBURST LINES

42-INCH STEEL INTAKE PIPE

NATIVE BACKFILL, TYPICAL

NOTES:

1. WATER SURFACE LEVEL (WSL) IS ESTIMATED FOR IN-WATER
WORK PERIOD JULY 15 - AUG 31. ACTUAL WSL MAY VARY.
2. TRENCH SLOPE MAY BE STEEPER, DEPENDING UPON NATURE
OF NATIVE MATERIAL, TO MINIMIZE WIDTH OF PIPE CORRIDOR.
SHORING WILL BE UTILIZED FOR DEEPER CUTS.
3. NEW INTAKE INCLUDES SPACE FOR (3) T-SCREENS PER PIPE,
FOR A TOTAL OF 6. INITIALLY, ONLY (1) T-SCREEN PER PIPE
WILL BE INSTALLED.
4. ALL ROCK PLACED IN WATER COLUMN WILL BE WASHED.

24-INCH STUB WITH
BLIND FLANGE
(TYPICAL OF 2 EACH PIPE)

32-INCH DIAMETER T-SCREEN

TEMPORARY SILT
CURTAIN BARRIER

AIRBURST
HEADER
TUBE

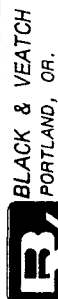
42-INCH STEEL INTAKE PIPE

PIPE BEDDING
GRAVEL

PIPE TRENCH

SEE NOTE 2

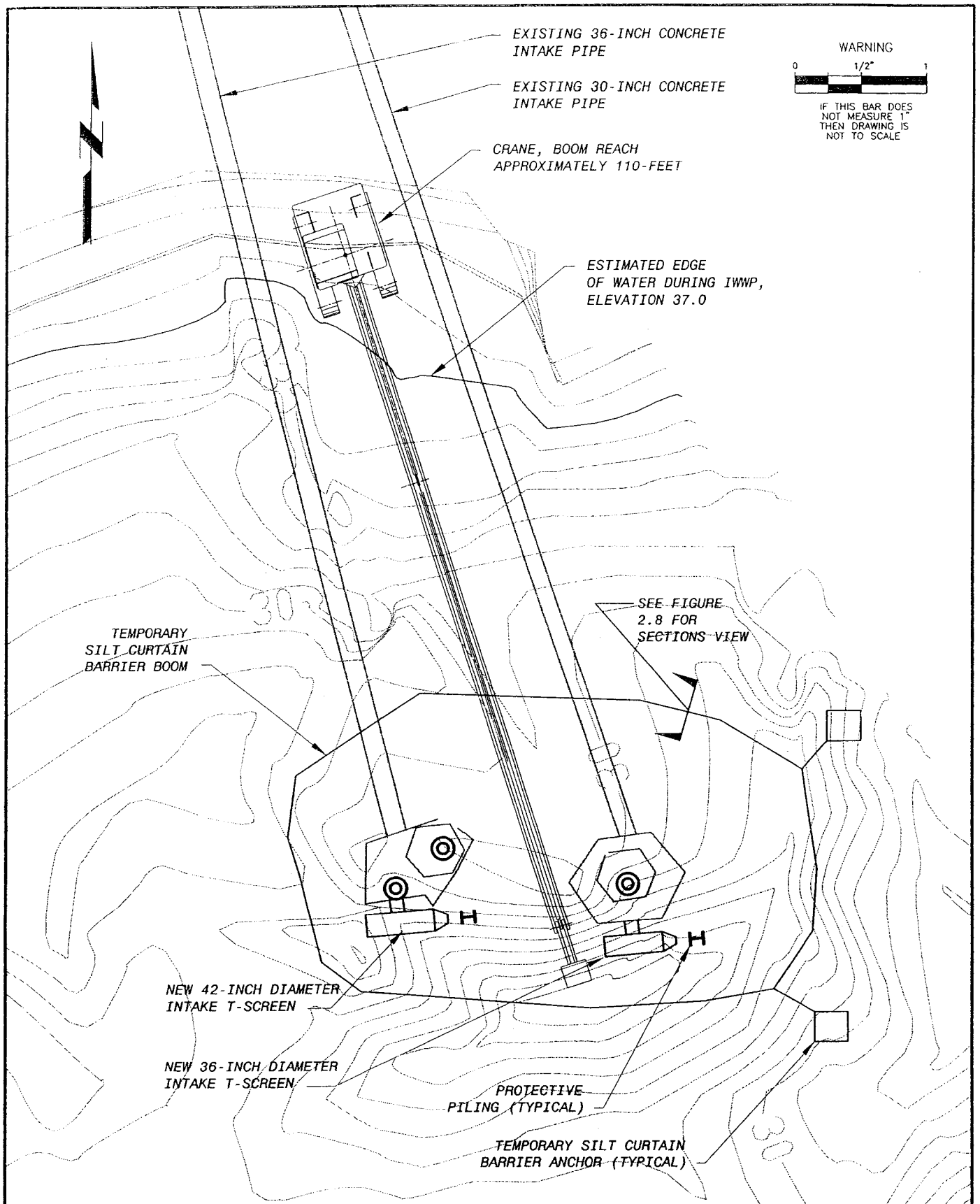
Corps No. 199700862



PROJECT
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SCALE: 1" = 1'-0"

CRW - NEW RIVER INTAKE PROJECT
SECTION VIEW
NEW INTAKE CONSTRUCTION

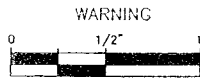


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PROJECT
131808

SCALE: 1" = 20'

CRW - NEW RIVER INTAKE PROJECT
PLAN VIEW - SILT CONTAINMENT
FOR EXISTING INTAKE
MODIFICATIONS



WARNING
IF THIS BAR DOES
NOT MEASURE 1'
THEN DRAWING IS
NOT TO SCALE

NEW 42-INCH DIAMETER
INTAKE PIPELINES

TEMPORARY ROCK PAD,
APPROXIMATELY 500CY

ESTIMATED EDGE OF
WATER DURING IWWP,
ELEV = 37.00

TEMPORARY SILT CURTAIN
BARRIER ANCHOR (TYP)

TEMPORARY
SILT CURTAIN
BARRIER (TYP)

FLOW OF RIVER

24-INCH CONNECTION FOR FUTURE
INTAKE T-SCREEN
(TYPICAL OF 4)

PROTECTIVE PILING

NEW 32-INCH
DIAMETER INTAKE
T-SCREEN
(TYPICAL OF 2)

12-FT OC

NOTES:

1. WORK AREA ISOLATED WILL VARY WITH PROJECT PROGRESS. MAXIMUM SILT CURTAIN BARRIER EXTENT DEPICTED.
2. WATER SURFACE LEVEL ASSUMED 37.0 FOR THIS FIGURE.

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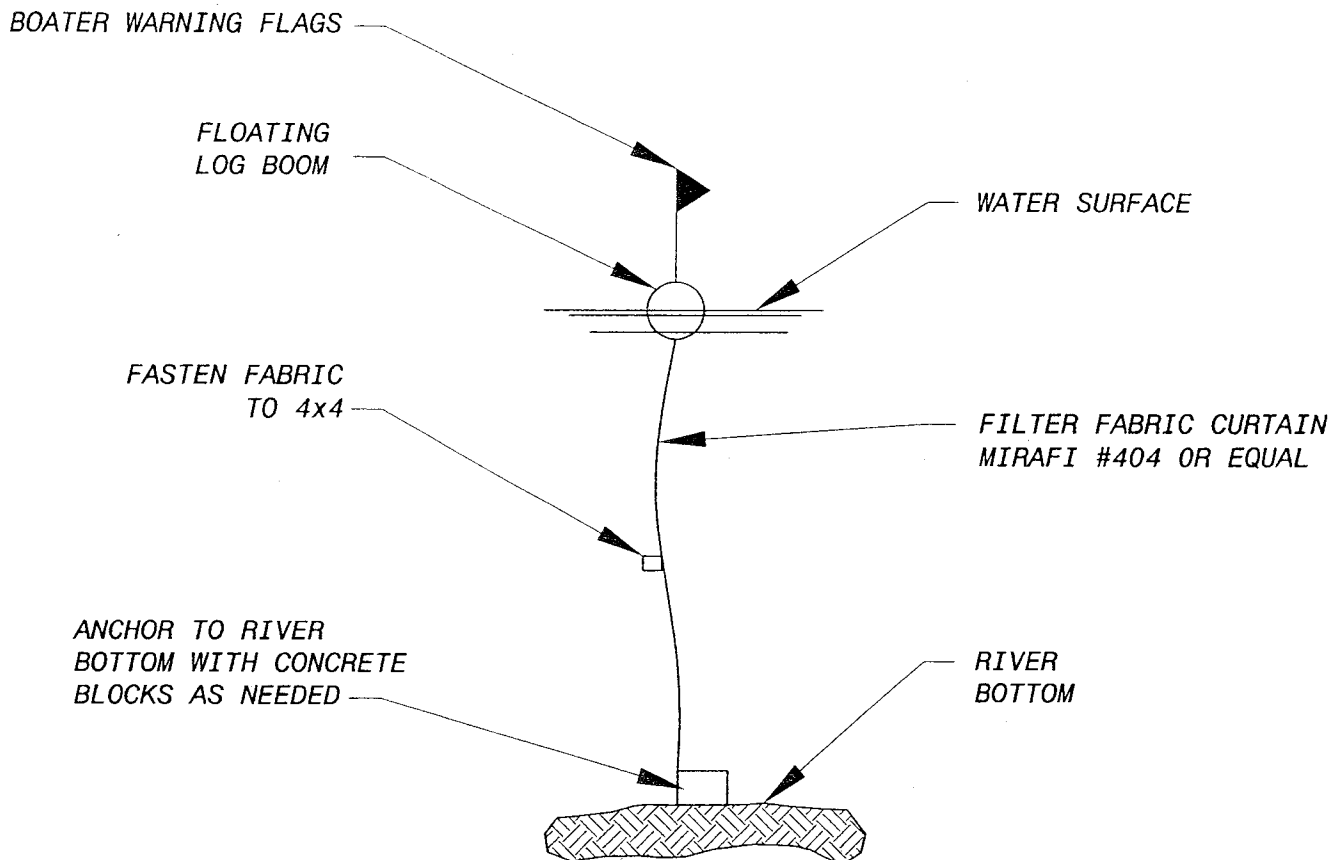


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PROJECT
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SCALE: 1" = 30'

CRW - NEW RIVER INTAKE PROJECT
TEMPORARY FILL AND SILT CURTAIN
BARRIER FOR NEW INTAKE
CONSTRUCTION



NOTE: DIVERS TO ASSIST AS NEEDED
FOR PLACEMENT OF CURTAIN,
ANCHORS, ETC.

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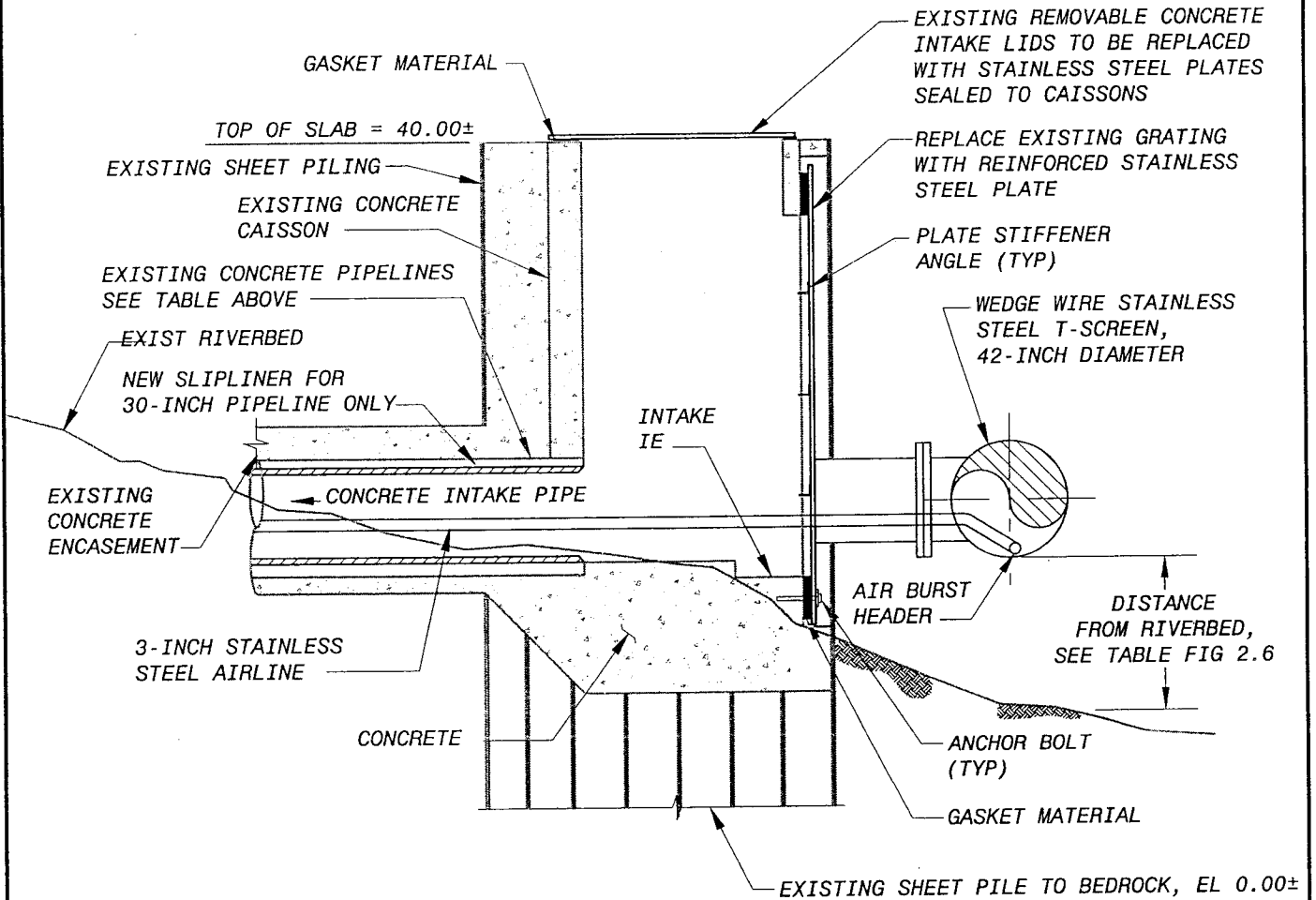
BLACK & VEATCH
PORTLAND, OR.

PROJECT
131808

NOT TO SCALE

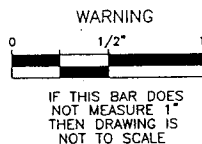
CRW - NEW RIVER INTAKE PROJECT
SILT CURTAIN
BARRIER TYPICAL SECTION

EXISTING CRW INTAKE PIPELINES		
	WEST INTAKE	EAST INTAKE
INTAKE PIPE DIAMETER	36"	30"
INTAKE INVERT ELEVATION (IE)	29.50	27.00



NOTES:

1. EXISTING WEST INTAKE T-SCREEN DESIGN IS SIMILAR.
2. SEE FIGURE 2.6 FOR SCREEN DIMENSIONS.



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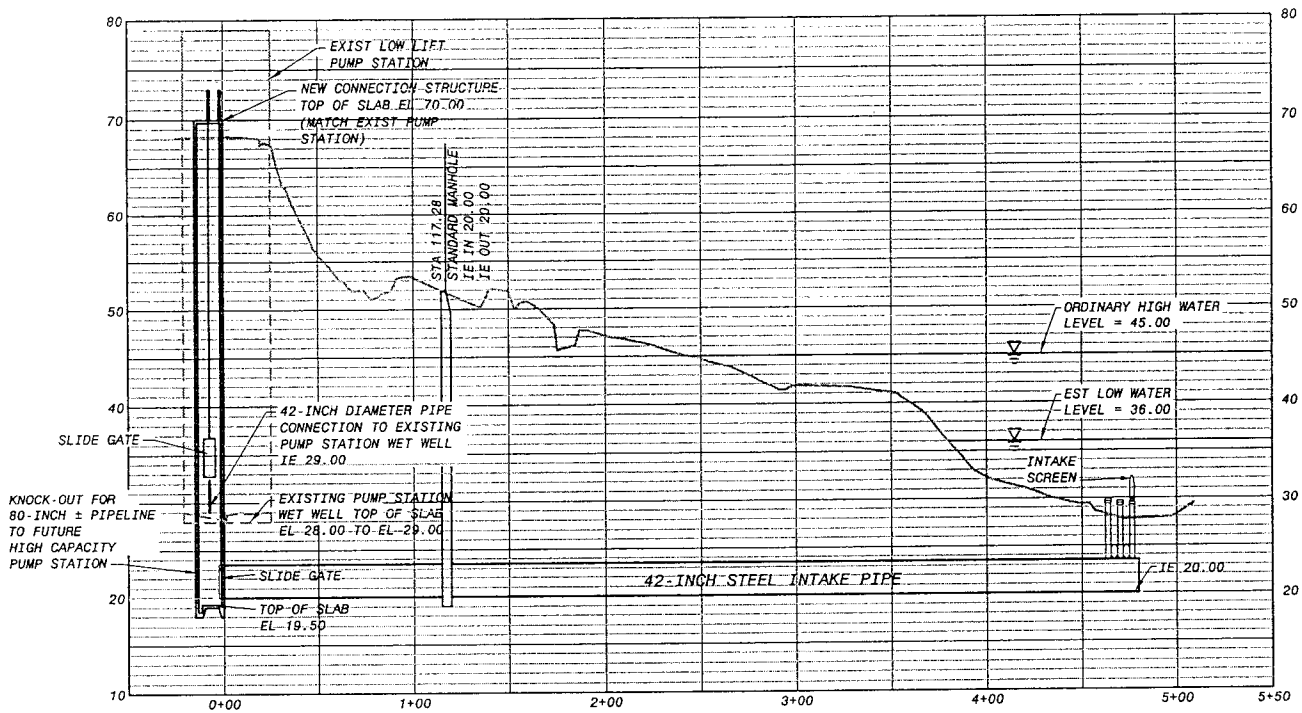


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PROJECT
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SCALE: 3/16" = 1'-0"

CRW - NEW RIVER INTAKE PROJECT
SECTION VIEW OF EXISTING EAST
INTAKE



PROFILE

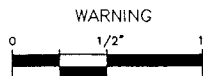
SCALE: 1" = 100' HORIZ
1" = 20' VERT

NEW INTAKE PIPELINES				
	ULTIMATE CAPACITY	DIA (INCHES)	MATERIAL	LENGTH
EAST PIPELINE	30 MGD	42	ML&C STEEL	479.02 FT
WEST PIPELINE	30 MGD	42	ML&C STEEL	479.92 FT

NOTE: ML&C - MORTAR LINED AND COATED.

NEW INTAKE PIPELINE CONSTRUCTION DETAILS	
MINIMUM DEPTH TO PIPE INVERT	7.5'
MAXIMUM DEPTH TO PIPE INVERT	48.5'
PIPE TRENCH CONSTRUCTION CORRIDOR WIDTH	60'

NOTE: PIPELINE CONSTRUCTION CORRIDORS SHOWN ON FIGURE 1 AREA OF EFFECT.



IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

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PORTLAND, OR.

PROJECT
131808

SCALE: SEE ABOVE

CRW NEW RIVER INTAKE PROJECT
NEW INTAKE PIPELINES-PROFILE
LOOKING EAST BETWEEN PIPELINES

Table Proposed Impacts to Waters of the U.S. (below OHW) and Wetlands for CRW Intake

Activity	Permanent or Temporary	Fill or Removal	Volume (CY)	Dimensions of Impact Area	Acreage of Impact Area	Type of Material
Rock Pad for In-River Excavation	Temporary	Fill	500	40 ft. x 100 ft.	0.09 ac.	2 to 4-inch Rock
Pipelines Excavation below OHW	Temporary	Removal and Fill	2,800	230 ft. of pipeline route x 60 ft. corridor	0.32 ac.	Native material
a) Pipelines Excavation		Removal	700			Native material
b) Pipe Bedding		Fill	500			¾-inch washed crushed rock
c) Pipe Anchoring		Fill	40			Concrete-filled pillows
d) Volume Displaced by Intake Pipelines		Removal	160			N/A
Protective Pilings and 6 intake T-Screen stub pipe connections	Permanent	Fill	0.06	19.2 sq. ft.	0.0004 ac.	Steel
Pipelines Excavation in small wetland area	Temporary	Removal and Fill	450		0.04	Pipe and native material
Total impacts to waters/wetlands					0.4504 (approx)	

Note: Affected acreage of all impacts falls within the area of the pipeline excavation. That is, the total affected area is the acreage of the pipeline excavation impact area.

PUBLIC NOTICE
Oregon Department of Environmental Quality
Water Quality 401 Certification

Corps of Engineers Action ID Number: 199700862
Oregon Division of State Lands Number: SP-14240

Notice Issued: June 4, 2003
Written Comments Due: July 7, 2003

WHO IS THE APPLICANT: Clackamas River Water

LOCATION OF CERTIFICATION ACTIVITY: See attached U.S. Army Corps of Engineers public notice

WHAT IS PROPOSED: See attached U.S. Army Corps of Engineers public notice on the proposed project
NEED FOR CERTIFICATION: Section 401 of the Federal Clean Water Act requires applicants for Federal permits or licenses to provide the Federal agency a water quality certification from the State of Oregon if the proposed activity may result in a discharge to surface waters.

DESCRIPTION OF DISCHARGES: See attached U.S. Army Corps of Engineers public notice on the proposed project

WHERE TO FIND DOCUMENTS: Documents and related material are available for examination and copying at Oregon Department of Environmental Quality, Water Quality Division, 811 S.W. 6th Avenue, Portland, Oregon 97204

While not required, scheduling an appointment will ensure documents are readily accessible during your visit. To schedule an appointment please call Alice Kavajecz at (503) 229-6962.

Any questions on the proposed certification may be addressed to the 401 Program Coordinator, (503) 229-5845 or toll free within Oregon at 1-800-452-4011. People with hearing impairments may call DEQ's TTY at (503) 229-6993.

PUBLIC PARTICIPATION:

Public Hearing: Oregon Administrative Rule (OAR) 340-48-0020 (6) states that "The Director shall provide an opportunity for the applicant, any affected state, or any interested agency, person, or group of persons to request or petition for a public hearing with respect to certification applications. If the Director determines that new information may be produced thereby, a public hearing will be held prior to the Director's final determination. Instances of doubt shall be resolved in favor of holding the hearing. There shall be public notice of such a hearing."

Written comments:

Written comments on the proposed certification must be received at the Oregon Department of Environmental Quality by 5 p.m. on (full date). Written comments should be mailed to Oregon Department of Environmental Quality, Attn: 401 Program Coordinator, 811 S.W. 6th Avenue, Portland, Oregon 97204. ***People wishing to send written comments via e-mail should be aware that if there is a delay between servers or if a server is not functioning properly, e-mails may not be received prior to the close of the public comment period.*** People wishing to send comments via e-mail should send them in Microsoft Word (through version 7.0), WordPerfect (through version 6.x) or plain text format. Otherwise, due to conversion difficulties, DEQ recommends that comments be sent in hard copy.

WHAT HAPPENS NEXT: DEQ will review and consider all comments received during the public comment period. Following this review, the permit may be issued as proposed, modified, or denied. You will be notified of DEQ's final decision if you present either oral or written comments during the comment period. Otherwise, if you wish to receive notification, please call or write DEQ at the above address.

ACCESSIBILITY INFORMATION: This publication is available in alternate format (e.g. large print, Braille) upon request. Please contact DEQ Public Affairs at (503) 229-5766 or toll free within Oregon at 1-800-452-4011 to request an alternate format. People with a hearing impairment can receive help by calling DEQ's TTY at (503) 229-6993.

PUBLIC NOTICE
OREGON COASTAL MANAGEMENT PROGRAM
CONSISTENCY CERTIFICATION

Date: June 4, 2003

Corps of Engineers Action ID Number: 199700862
Oregon Division of State Lands Number: SP-14240

Notification

For projects subject to coastal zone review, notice is hereby given that the project is being reviewed by the Department of Land Conservation and Development (DLCD) as provided in Section 307(c) of the Coastal Zone Management Act. The applicant believes that the activities described in the attached materials would comply with and be conducted in a manner consistent with the Oregon Coastal Management Program. Project information can be made available for inspection at DLCD's Salem office.

DLCD is hereby soliciting public comments on the proposed project's consistency with the Oregon Coastal Management Program. Written comments may be submitted to DLCD, 635 Capital St. NE, Suite 200, Salem, OR 97301-2540, attention consistency review specialist. Any comments must be received by DLCD on or before the comment deadline listed in the federal notice. For further information, you may call DLCD at (503) 373-0050, ext. 250.

REVIEW CRITERIA

Comments should address consistency with the applicable elements of the Oregon Coastal Management Program. These elements include:

- Acknowledged Local Comprehensive Plans & Implementing Ordinances
- Statewide Planning Goals
- Applicable State Authorities (e.g. Removal-Fill Law and Oregon Water Quality Standards)

INCONSISTENT?

If you believe this project is inconsistent with the Oregon Coastal Management Program, your comments to DLCD should explain why you believe the project is inconsistent and should identify the Oregon Coastal Management Program element(s) in question. You should also describe how the project could be modified, if possible, to make it consistent with the Oregon Coastal Management Program.